

Maraging Steel Excellent in Fatigue Characteristics and
Method for Producing the Same

REFERENCE TO RELATED APPLICATION

7/17/07
This is a Divisional application of Application Serial
No. 09/700,566, filed November 16, 2000, now US Patent 6,776,855.

TECHNICAL FIELD

The present invention relates to a maraging steel with excellent fatigue characteristics and a method for producing the same.

BACKGROUND ART

Maraging steel is ultralow carbon-Ni steel or ultralow carbon-Ni-Co steel. It is a steel strengthened by precipitation intermetallic compounds of Ti or Mo, etc. on a matrix of tough martensite. It is tough and high in strength. It also possesses many other advantages not previously available such as good weldability and little change in dimensions by heat treatment. Therefore, maraging steel is used as a structural material in leading-edge technical fields such as space development, ocean development, atomic energy utilization, aircraft, and automobiles. Attempts are also being made to put it to use for a wide range of purposes in diverse fields such as pressure-proof vessels, tools, piston rams, and dies.